

0590
0708

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/060,793

DATE: 07/09/2002
TIME: 16:22:19

Input Set : A:\6884usol.txt
Output Set: N:\CRF3\07092002\J060793.raw

4 <110> APPLICANT: Abbott Laboratories
5 Mukerji, Pradip
6 Huang, Yung-Sheng
7 Pereira, Suzette L.
9 <120> TITLE OF INVENTION: DESATURASE GENES, ENZYMES ENCODED
10 THEREBY, AND USES THEREOF
12 <130> FILE REFERENCE: 6884.US.01
14 <140> CURRENT APPLICATION NUMBER: 10/060,793
C--> 15 <141> CURRENT FILING DATE: 2002-06-24
17 <160> NUMBER OF SEQ ID NOS: 60
19 <170> SOFTWARE: FastSEQ for Windows Version 4.0
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 36
23 <212> TYPE: DNA
24 <213> ORGANISM: Artificial Sequence
26 <220> FEATURE:
27 <223> OTHER INFORMATION: Forward Primer R01144
29 <400> SEQUENCE: 1
30 atccgcggccg ccatccccaa gcactgtctt gtcaga 36
32 <210> SEQ ID NO: 2
33 <211> LENGTH: 45
34 <212> TYPE: DNA
35 <213> ORGANISM: Artificial Sequence
37 <220> FEATURE:
38 <223> OTHER INFORMATION: Forward Primer R01119
W--> 40 <221> NAME/KEY: misc_feature
41 <222> LOCATION: (21)...(21)
42 <223> OTHER INFORMATION: y = t/u or c at position 21
W--> 44 <221> misc_feature
45 <222> LOCATION: (33)...(33)
46 <223> OTHER INFORMATION: y = t/u or c at position 33
W--> 48 <400> 2
49 gcccctttcg tcctcgccca ygactcgccg cayggctctt tctcg 45
51 <210> SEQ ID NO: 3
52 <211> LENGTH: 45
53 <212> TYPE: DNA
54 <213> ORGANISM: Artificial Sequence
56 <220> FEATURE:
57 <223> OTHER INFORMATION: Reverse Primer R01118
W--> 59 <221> NAME/KEY: misc_feature
60 <222> LOCATION: (4)...(4)
61 <223> OTHER INFORMATION: r = g or a at position 4
W--> 63 <221> misc_feature

ENTERED

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/060,793

DATE: 07/09/2002
TIME: 16:22:19

Input Set : A:\6884usol.txt
Output Set: N:\CRF3\07092002\J060793.raw

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64 <222> LOCATION: (10)...(10)
65 <223> OTHER INFORMATION: r = g or a at position 10
W--> 67 <211> misc_feature
68 <222> LOCATION: (30)...(31)
69 <223> OTHER INFORMATION: r = g or a at positions 30-31
W--> 71 <211> misc_feature
72 <222> LOCATION: (34)...(34)
73 <223> OTHER INFORMATION: r = g or a at position 34
W--> 75 <211> misc_feature
76 <222> LOCATION: (38)...(38)
77 <223> OTHER INFORMATION: r = g or a at position 38
W--> 79 <211> misc_feature
80 <222> LOCATION: (39)...(39)
81 <223> OTHER INFORMATION: y = t/u or c at position 39
W--> 83 <211> misc_feature
84 <222> LOCATION: (43)...(43)
85 <223> OTHER INFORMATION: r = g or a at position 43
W--> 87 <400> 3
88 gagrttgatggggatct gggggagar rtgrrtggryg acrtg 45
90 <210> SEQ ID NO: 4
91 <211> LENGTH: 45
92 <212> TYPE: DNA
93 <213> ORGANISM: Artificial Sequence
95 <220> FEATURE:
96 <223> OTHER INFORMATION: Forward Primer R01121
W--> 98 <211> NAME/KEY: misc_feature
99 <222> LOCATION: (9)...(9)
100 <223> OTHER INFORMATION: y = t/u or c at position 9
W--> 102 <211> misc_feature
103 <222> LOCATION: (27)...(27)
104 <223> OTHER INFORMATION: y = t/u or c at position 27
W--> 106 <211> misc_feature
107 <222> LOCATION: (36)...(36)
108 <223> OTHER INFORMATION: y = t/u or c at position 36
W--> 110 <211> misc_feature
111 <222> LOCATION: (39)...(39)
112 <223> OTHER INFORMATION: y = t/u or c at position 39
W--> 114 <400> 4
115 cccttccayg gctggcgcat ctgcgcaycgc acccaycayc agaac 45
117 <210> SEQ ID NO: 5
118 <211> LENGTH: 45
119 <212> TYPE: DNA
120 <213> ORGANISM: Artificial Sequence
122 <220> FEATURE:
123 <223> OTHER INFORMATION: Reverse Primer R01122
W--> 125 <211> NAME/KEY: misc_feature
126 <222> LOCATION: (7)...(7)
127 <223> OTHER INFORMATION: r = g or a at position 7
W--> 129 <211> misc_feature

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/060,793

DATE: 07/09/2002

TIME: 16:22:19

Input Set : A:\6884usol.txt

Output Set: N:\CRF3\07092002\J060793.raw

130 <222> LOCATION: (10)...(10)
 131 <223> OTHER INFORMATION: r = g or a at position 10
W--> 133 <221> misc_feature
 134 <222> LOCATION: (37)...(37)
 135 <223> OTHER INFORMATION: r = g or a at position 37
W--> 137 <400> 5
 138 gtctcgtrgtgggtccggtgcgagatgcg ccagccgtgg taggg 45
 140 <210> SEQ ID NO: 6
 141 <211> LENGTH: 36
 142 <212> TYPE: DNA
 143 <213> ORGANISM: Artificial Sequence
 145 <220> FEATURE:
 146 <223> OTHER INFORMATION: Forward Primer R01146
W--> 148 <221> NAME/KEY: misc_feature
 149 <222> LOCATION: (13)...(13)
 150 <223> OTHER INFORMATION: s = g or c at position 13
W--> 152 <221> misc_feature
 153 <222> LOCATION: (19)...(19)
 154 <223> OTHER INFORMATION: k = g or t/u at position 19
W--> 156 <400> 6
 157 ggctcgacttcaccccta ctgcggacatc ttgcgc 36
 159 <210> SEQ ID NO: 7
 160 <211> LENGTH: 36
 161 <212> TYPE: DNA
 162 <213> ORGANISM: Artificial Sequence
 164 <220> FEATURE:
 165 <223> OTHER INFORMATION: Reverse Primer R01147
W--> 167 <221> NAME/KEY: misc_feature
 168 <222> LOCATION: (18)...(18)
 169 <223> OTHER INFORMATION: m = a or c at position 18
W--> 171 <221> misc_feature
 172 <222> LOCATION: (24)...(24) /
 173 <223> OTHER INFORMATION: w = a or t/u at position 24
W--> 175 <400> 7
 176 gacgaaggatccgagtgggtwgaatgcgagcc 36
 178 <210> SEQ ID NO: 8
 179 <211> LENGTH: 39
 180 <212> TYPE: DNA
 181 <213> ORGANISM: Artificial Sequence
 183 <220> FEATURE:
 184 <223> OTHER INFORMATION: Reverse Primer R01148
W--> 186 <221> NAME/KEY: misc_feature
 187 <222> LOCATION: (9)...(9)
 188 <223> OTHER INFORMATION: k = g or t/u at position 9
W--> 190 <221> misc_feature
 191 <222> LOCATION: (30)...(30)
 192 <223> OTHER INFORMATION: w = a or t/u at position 30
W--> 194 <221> misc_feature
 195 <222> LOCATION: (32)...(32)

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/060,793

DATE: 07/09/2002
TIME: 16:22:19

Input Set : A:\6884usol.txt
Output Set: N:\CRF3\07092002\J060793.raw

196 <223> OTHER INFORMATION: s = g or c at position 32
W--> 198 <400> 8
199 gcgcgtggakg gtggtagggc cgccggcgaw gacacatca
201 <210> SEQ ID NO: 9
202 <211> LENGTH: 45
203 <212> TYPE: DNA
204 <213> ORGANISM: Artificial Sequence
206 <220> FEATURE:
207 <223> OTHER INFORMATION: Reverse Primer R01114
W--> 209 <221> NAME/KEY: misc_feature
210 <222> LOCATION: (13)...(13) /
211 <223> OTHER INFORMATION: r = g or a at position 13
W--> 213 <221> misc_feature
214 <222> LOCATION: (16)...(16) /
215 <223> OTHER INFORMATION: r = g or a at position 16
W--> 217 <221> misc_feature
218 <222> LOCATION: (25)...(25) /
219 <223> OTHER INFORMATION: r = g or a at position 25
W--> 221 <221> misc_feature
222 <222> LOCATION: (40)...(40) /
223 <223> OTHER INFORMATION: r = g or a at position 40
W--> 225 <221> misc_feature
226 <222> LOCATION: (43)...(43) /
227 <223> OTHER INFORMATION: r = g or a at position 43
W--> 229 <400> 9 / / /
230 ctggggaaag aqtrgrtgga tgcacrtgggtt ggcgatgtcr tgtrtg
232 <210> SEQ ID NO: 10
233 <211> LENGTH: 45
234 <212> TYPE: DNA
235 <213> ORGANISM: Artificial Sequence
237 <220> FEATURE:
238 <223> OTHER INFORMATION: Reverse Primer R01116
W--> 240 <221> NAME/KEY: misc_feature
241 <222> LOCATION: (12)...(12) /
242 <223> OTHER INFORMATION: y = t/u or c at position 12
W--> 244 <221> misc_feature
245 <222> LOCATION: (16)...(16)
246 <223> OTHER INFORMATION: r = g or a at position 16
W--> 248 <221> misc_feature
249 <222> LOCATION: (22)...(22) /
250 <223> OTHER INFORMATION: r = g or a at position 22
W--> 252 <221> misc_feature
253 <222> LOCATION: (33)...(33)
254 <223> OTHER INFORMATION: k = g or t/u at position 33
W--> 256 <221> misc_feature
257 <222> LOCATION: (42)...(43) /
258 <223> OTHER INFORMATION: r = g or a at positions 42-43
W--> 260 <400> 10
261 aqtrgacccctcq aqyqagrttgtt artqggggat ctkgggggaa arrrtg

RAW SEQUENCE LISTING DATE: 07/09/2002
 PATENT APPLICATION: US/10/060,793 TIME: 16:22:19

Input Set : A:\6884usol.txt
 Output Set: N:\CRF3\07092002\J060793.raw

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263 <210> SEQ ID NO: 11
264 <211> LENGTH: 45
265 <212> TYPE: DNA
266 <213> ORGANISM: Artificial Sequence
268 <220> FEATURE:
269 <223> OTHER INFORMATION: Reverse Primer R01118
W--> 271 <221> NAME/KEY: misc_feature
272 <222> LOCATION: (4)...(4)
273 <223> OTHER INFORMATION: r = g or a at position 4
W--> 275 <221> misc_feature
276 <222> LOCATION: (10)...(10)
277 <223> OTHER INFORMATION: r = g or a at position 10
W--> 279 <221> misc_feature
280 <222> LOCATION: (30)...(31)
281 <223> OTHER INFORMATION: r = g or a at positions 30-31
W--> 283 <221> misc_feature
284 <222> LOCATION: (34)...(34)
285 <223> OTHER INFORMATION: r = g or a at position 34
W--> 287 <221> misc_feature
288 <222> LOCATION: (38)...(38)
289 <223> OTHER INFORMATION: r = g or a at position 38
W--> 291 <221> misc_feature
292 <222> LOCATION: (39)...(39)
293 <223> OTHER INFORMATION: y = t/u or c at position 39
W--> 295 <221> misc_feature
296 <222> LOCATION: (43)...(43)
297 <223> OTHER INFORMATION: r = g or a at position 43
W--> 299 <400> 11
300 gagrttgatc tggggatct ggggaaagar rtgitggryg acrtg 45
302 <210> SEQ ID NO: 12
303 <211> LENGTH: 25
304 <212> TYPE: DNA
305 <213> ORGANISM: Artificial Sequence
307 <220> FEATURE:
308 <223> OTHER INFORMATION: Forward Primer R01188
310 <400> SEQUENCE: 12
311 tacgcgtacc tcacgtactc gtcg 25
313 <210> SEQ ID NO: 13
314 <211> LENGTH: 27
315 <212> TYPE: DNA
316 <213> ORGANISM: Artificial Sequence
318 <220> FEATURE:
319 <223> OTHER INFORMATION: Forward Primer R01189
321 <400> SEQUENCE: 13
322 ttcttgacc acaacgacga agcgacg 27
324 <210> SEQ ID NO: 14
325 <211> LENGTH: 25
326 <212> TYPE: DNA
327 <213> ORGANISM: Artificial Sequence

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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 07/09/2002
PATENT APPLICATION: US/10/060,793 TIME: 16:22:20

Input Set : A:\6884usol.txt
Output Set: N:\CRF3\07092002\J060793.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:44; Xaa Pos. 315,331
Seq#:46; Xaa Pos. 389
Seq#:48; Xaa Pos. 9,403
Seq#:52; Xaa Pos. 5,7
Seq#:53; Xaa Pos. 3,4,11
Seq#:55; Xaa Pos. 2,5,12
Seq#:56; Xaa Pos. 3,6
Seq#:57; Xaa Pos. 2,10,11
Seq#:58; Xaa Pos. 3,11,13,16
Seq#:59; Xaa Pos. 2,5,6,9,11
Seq#:60; Xaa Pos. 6,9